sov/68-59-8-3/32

· Material Balance of the Coking Process

ash balance was quite satisfactory (-0.04%). Various formulae proposed for the determination of the coke yield are compared with the results obtained (see figure). The best agreement was obtained with the Japanese formula (Ref 1). There are 4 tables, 1 figure and 6 references, 2 of which are Soviet, 2 English and 2 German.

ASSOCIATION: UKhin

Card 3/3

SHVARTS, S.A.

Indices of strength of coke. Koks i khim, no.1:27-30 '60.
(MIRA 13:6)

1. Ukrainskiy uglekhimicheskiy institut.
(Coke)

SHVARTS, Solomon Aronovich; KHAYKIN, V.P., otv. red.; LIRERMAN, S.S., red. izd-va; ANDREYEV, S.P., tekhn. red.

[Application of mathematical statistics to the analysis of coal-chemical production processes]Prilozhenie matematicheskoi statistiki k analizu protsessov koksokhimicheskogo pro-izvodstva. Khar'kov, Metallurgizdat, 1962. 212 p.

(MIRA 15:8)

(Coke industry---By-products)
(Mathematical statistics)

SHVARTS, S.A.; AKSENIN, N.P.

Calculating coke output. Koks i khim. no.4:18-22 '62.

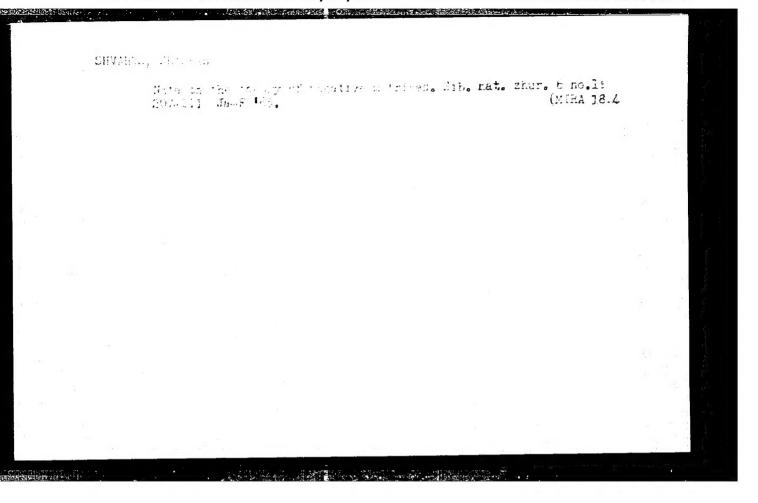
(MIRA 16:8)

1. Ukrainskiy uglekhimicheskiy institut.

(Coke industry)

TAYTS. Ye.M., doktor tekhn. nauk; SHVARTS, S.A., kand. tekhn.
nauk[deceased]; PEYSAKHZON, I.B., inzh.; GEL'FER, M.L.,
inzh.; DMITRIYENKO, M.T., inzh.; DORFMAN, G.A., inzh.;
IZRAELIT, Ye.M., inzh.; KULAKOV, N.K., inzh.; KUSHIYANSKIY,
B.S., inzh.; MEYKSON, L.V., inzh.[deceased]; LEONOV, A.S.,
inzh.; SHVARTS, G.A., inzh.; SHVARTSMAN, I.Ya., inzh.;
YATSENKO, N.Ya., inzh.; BABIN, P.P., inzh.; KHANIN, I.M.,
doktor tekhn. nauk, prof., red.; KOZYREV, V.P., inzh.,
red., KUPE:MAN, P.I., inzh., red.; LGALOV, K.I., inzh.,
red.; LEYTES, V.A., inzh., red.; SHELKOV, A.K., red.,

[By-product come industry worker's handbook in six volumes]
Spraycehnik keksokhimika v shesti tomakh. Moskva, Metal·lurgiis. Vol.2. 1965. 288 p. (MIRA 18:8)



KATKOVSKIY, S.B.; SHVARTS, S.I.

Relation of zinc and insulin content to conditions of crystallization.

Probl. endok. 1 gorm. 6 no. 3:83-85 My-Je '60. (MIRA 14:1)

(INSULIN) (ZINC)

garagat Da agaraga La Part Delga La Salah Balan Ba

GUROV, Vyacheslav Alekseyevich; SHVARTS, S.I., spetsred.; KORBUT, L.V., red.; SATAROVA, A.M., tekhn.red.

[Handbook on the endoctine, enzymatic, and special raw materials for and the production of organic preparations] Spravochnik po endokrinnomu, fermentnomu, spetsial nomu syr'iu i proizvodstvu organopreparatov. Moskva, Pishchepromizdat, 1961. 307 p.

(MIRA 15:4)

(MATERIA MEDICA, ANIMAL) (DRUG INDUSTRY)

KATKOVSAIY, S.; SHVARTS, S.

New techniques for producing crystalline insulin. Mias. ind. SSSR 32 no.1:52-55 '61. (MIRA 14:7)

I. Vsesoyuznyy institut eksperimental'noy endokrinologii. (INSULIN)

KATKOVSKIY, S.; SHVARTS, S.; NEDOBORA, A.; MDIVNISHVILI, O.

Use of diathomites in the production of insulin. Mias. ind. SSSR 34 no.5:48-50 '63. (MIRA 16:11)

1. Vsesoyuznyy institut eksperimental'noy endokrinologii (for Katkovskiy, Shvarts, Nedobora). 2. Kavkazskiy institut mineral'nogo syr'ya (for Mdivnishvili).

Market Carlo Carlo

AUTHORS:

Klemeshov, G.A., Panasenko, F.L.,

32-3-50/52

TITLE:

Smolenskiy, F.A., Shvarts, S.M.
Standard Laboratory for Radioactive Isotopes (Tipovaya laboratoriya

radioaktivnykh izotopov)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol. 2h, Nr 3, pp. 376-379 (USSR)

ABSTRACT:

This paper contains a short description of a laboratory project designed for a large metallurgical plant. In this laboratory it is intended to use isotopes of carbon, sulphur, phosphorus,

silicon, manganese, calcium, iron, cobalt, iridium, etc. Particular attention was paid to special sanitary protective measures in the working, distribution, transport, etc. of isotopes. For this reason the laboratory project was worked out according to a three-zone system. This system includes hermetically closed rooms which are radiologically "contaminated". Isolated from these are the "half-clean" rooms, and, completely separated; the "clean" rooms. In the first-named rooms preparation-, purification-, and

repair work etc. is carried out, for which purpose special clothing is worn, or, for aerosol work, hermetically closed

Card 1/2

Standard Laboratory for Radioactive Isotopes

32-3-50/52

chambers are used. A schematical drawing of a hermetically closed furnace, in which it is possible to melt radioactive isotopes in the vacuum, air, or inert gas atmosphere, is given. Conveying r radioactive preparations from one chamber into another is brought about mechanically by meansoof a conveyer band, whilst a special air conditioning system is used for the purification of air. A ground section of the laboratory shows the arrangement of rooms as well as other details. Thus, the building also contains a room for gamma defectoscopy with an adjoining chamber with radioscopic devices of the type (17-Co-5-1) (17-Co-50-1 and KC-6; these devices are remote-controlled. There are 2 figures.

ASSOCIATION:

State Institute for the Planning of Metallurgical Plants "Giprostal'" (Gosudarstvennyy institut po proyektirovaniyu metallurgicheskikh zavodov "Giprostal'")

AVATLABLE:

Library of Congress

Card 2/2

1. Metallurgical laboratories-Characteristics

A CONTRACTOR OF THE PROPERTY O

SHVARTS, S.M.; IL'IN, N.M., redaktor; MAL'KOVA, N.V., tekhnicheskiy

[Laboratory work on electric equipment for automobiles.] Laboratornye raboty po elektrooborudovaniiu avtomobilei. Moskva, Avtotransizdat, 1954. 134 p.

(Automobiles—Electric equipment)

SHVARTS, Solomon Mikhaylovich; IL'IN, N.M., red.; BODANOVA, A.P., tekhn. red.

[Laboratory practical work on the electric equipment of motor vehicles] Laboratornyi praktikum po elektrooborudovaniiu avtomobilei. Izd.2. ispr. i dop. Moskva, Avtotransizdat, 1962. 130 p.
(MIRA 15:7)

(Motor vehicles—Electric equipment)
(Electric laboratories)

[Electric engineering; a manual on the subject: "The single-phase n.c. network"] Elektrotekhnika; uchebnoe posobie postro: "Elektricheskaia tsep! odnofaznogo peremennogo toka."

Oortkii, M-vo avtomobil'nogo transporta i shosseinykh dorog, 1963. 86 p. (MIRA 17:8)

ZABRODSKIY, A.G.; SMIRNOV, N.K.; Prinimali uchastiye: RUDENKO, O.A.; FILIPENKO, I.S.; SEMENCHENKO, A.D.; KORCHEVSKIY, M.I.; TEMASHNYUK, D.S.; SHVARTS, S.P.; ERITSKAYA, Z.A.; RESHETOVA, L.N.; SHAKHOVA, V.A.; DANILENKO, P.L.

More about the effect of the amount of water and of its automatic proportioning in the boiling to pulp of raw materials. Trudy UkrNIISP no.5:13-20 '59. (MIRA 16:11)

1. Vashkovskiy zavod (for Rudenko, Filipenko, Semenchenko, Korchevskiy, Temashnyuk, Shvarts, Britskaya). 2. Chernovitskiy spirtovyy trest (for Reshetova, Shakhova). 3. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Danilenko).

KHENKIN, A.A., stividor-nastavnik; SHVARTS, S.S., inzh.

Loading large-size cargo on ships in the Odessa harbor. Biul. tekh.-ekon,inform. Tekh. upr. Min. mor. flota 7 no.5:68-75 '62. (MRA 16:3)

(Odessa--Cargo handling)

KLATSMAN, Ye.I., inzh. portovogo flota; SHVARTS, S.S., inzh. portovogo flota

Experience of combined professions on harbor boats. Biul.
tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no.8:75-76
'62. (Merchant seamen)

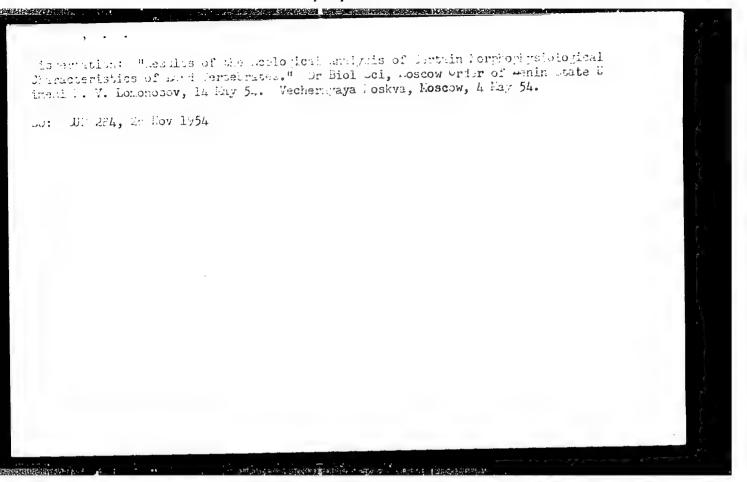
GEKHMAN, Yu.L., inzh.; SHVARTS, S.S., inzh.

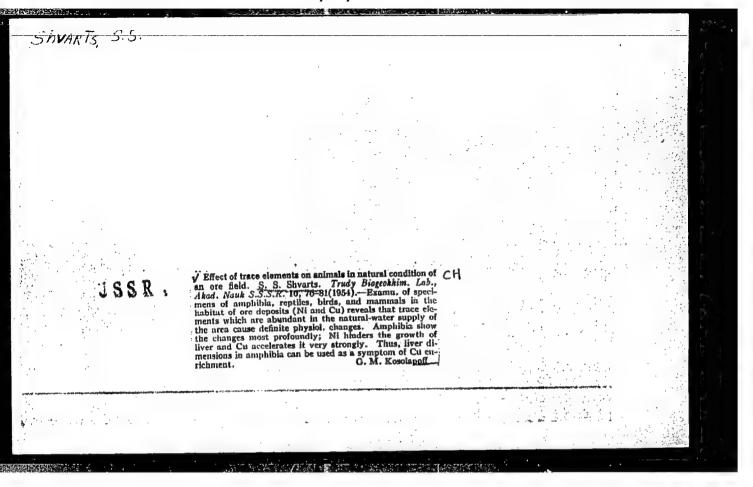
Rapid loading and unloading of ships in the Odessa harbor.
Biul.tekh.-ekon. inform. Tekh.upr.Min.mor.flota 7 no.10:
88-97 '62. (MIRA 16:9)

1. Odesskiy port. (Odessa--Cargo handling)

STHAVHS

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SHVARTS, S.S.

Specificity of the species in vertebrates. Zool.shur. 33 no.3: 507-524 My-Je '54. (MLRA 7:7)

1. Institut biologii Ural'skogo filiala Akademii nauk SSSR. (Zoology-Classification)

PAVLININ, V.N.; SHVARTS, S.S.

Natural maintenance of vitality in wild mammals. Zhur.obshch. biol. 16 no.4:306-314 Jl-Ag '55. (MLRA 8:11)

1. Laboratoriya zoologii Instituta biologii Ural'skogo filiala Akademii nauk SSSR. (MAMMALS) (AHIMALS, HABITS AND BEHAVIOR OF)

SHVARTS, S.S.

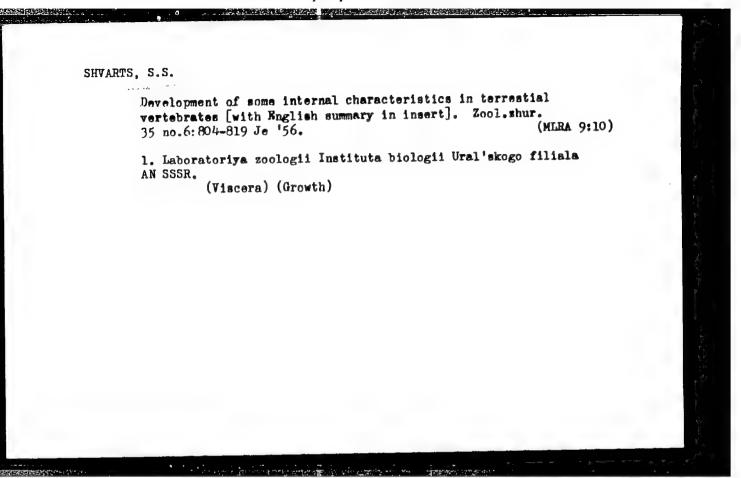
Biology of shrews in the trans-Ural forest-steppe region.
Zool.zhur. 34 no.4:915-927 Jl-Ag '55. (MLRA 8:9)

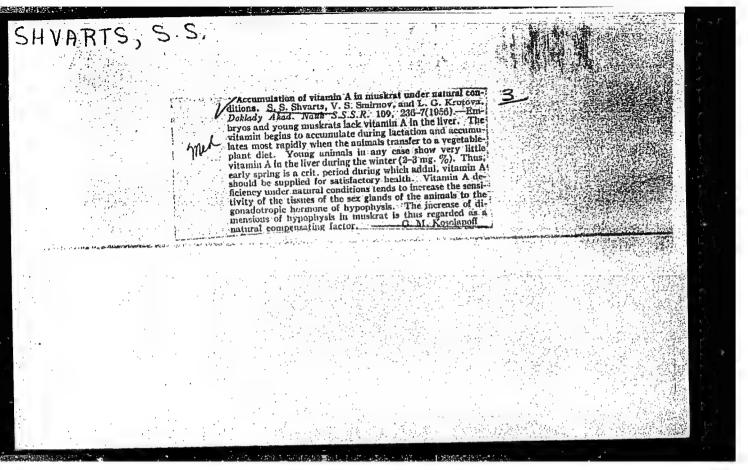
1. Institut biologii Ural'skogo filiala Akademii nauk SSSR (Ural Mountain region--Shrews)

SHVARTS S.S. doktor biologicheskikh nauk; PAVLININ, V.N., kandidat biologicheskikh nauk.

[Instructions for counting and predicting the number of murine rodents in the forest steppes of the Transural region] Ukasaniia po uchetu i prognosu chislennosti mushevidnykh gryzunov v usloviakh lesostepnogo Zaural'ia. Sost.S.S.Shvarts i V.N.Pavlinin. Sverdlovsk. 1956. 26 p. (MIRA 10:6)

1. Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. Institut biologii.
(Siberia, Western-Rodentia)





COLUMN TO THE PROPERTY OF THE PARTY OF THE P USSR / Human and Animal Physiology (Normal and Pathological). motabolism. : Rof Zhur - Biologiya, No 13, 1958, No. 59993 Abo Jour : Shvarts, S. S.; Smirnov, V. S.; Krotova, L. G. : The Regularity of Vitamin A Storage in the Muskrat in its Author Inst Titlo Natural Habitat : Izv. AN SSSR, Sor. Biol., 1957, No 3, 343-351 Orig Pub : The storage of vitamin A in the liver of the muskrat (M) in its natural habitat fluctuates within <1 - 26 mg.%. There is no stored A in the newborn. The storage of A Abstract begins in the nursing period and increases with the transition to the green food, not reaching, however, the level poculiar to the adult M. During the summer, the malos havo a larger reserve of A in the liver than the fomalos, which is due to larger expenditure in the females Card 1/2 12

She arty, J. S.

20-6-38/48

AUTHORS:

Smirnov, V.S., Shvarts, S.S.

TITLE:

Seasonal Variations in the Relative Weight of Suprarenal Glands in Mammals under Natural Conditions (Sezonnyye izmeneniya otnositel'nogo vesa nadpochechnikov u mlekopitayushchikh v prirodnykh usloviyakh)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 115, Nr 6, pp. 1193 - 1196 (USSR)

ABSTRACT:

Many papers deal with the great influence exerted by modifications of the hormonal activity of the adrenal cortex upon the adjustement of animals to unfavorable conditions of environment. This holds as well in laboratory test as in the open. When the density of population increases, the less favorable conditions of life lead to a hypertrophy of the adrenals. But also in a well prospering population the functional activity of the adrenals varies under the influence of seasonal variations of the conditions of the surroundings. Neither the importance of these variations themselves was correctly valued nor was the part played by the adrenals sufficiently taken into account. The topic under review was incorporated into the plan for biological investigations with the marsh-beaver (On-

Card 1/5

20-6-38/48

Sensonal Variations in the Relative Weight of Sugrarenal Glands in Mammals under Natural Conditions

datra). The authors think that no great error occurred by using the weight of adrenals as a criterion for the variations of the cortical activity. This permitted work under natural conditions and thereby led to the discovery of laws which might otherwise not have been determinable. According to table 1 Ondatrae from 3 regions were investigated: 1.) Wood-steppe Transuralia (Kurgan region), 2.) lower course of the Ob' river (Salekhard) and 3) western shore of the Ob'- gulf (Yar-Sale). The analysis of these results leads to the following conclusions: a) in the first period of growth (summer) of the young animals the increase in mass of the adrenals lags behind that of the entire body, whereby their relative weight sinks. b) The weight of adrenals rapidly increases with the beginning of frost, so that its index increases. c) The highest index of adrenals is observed in males at the beginning of winter. d) After the maximum is reached, it begins to decrease. a) The increase in adrenals is a reaction to an abrupt temperature drop, before the beavers change over to a life under the ice. f) There exists an essential difference between young and "grown-up" (i.e. those hibernating the second time) animals: in older

Card 2/5

20-6-32/43

Seasonal Variations in the Relative Weight of Suprarenal Gladis in Marmals under Natural Conditions

animals the hypertrophy of adrenals begins earlier and lasts longer and it is more distinct than in animals form in the same year. g) The activity of advanals is in a cortain connection with the adjustment-processes to law temper tures. h) The abovementioned laws may clearly be seen in ondatrae from all 3 regions, so that their reality and bidogical importance is not to be doubted. As a preliminary nypothesis the assumption may be uttered that the difference between old and young animals (see "f" above) is connected with the learnesse in the activity of tissues in older animals in contrast to the hormonal influences. In young females the weight of adrenals does not sink in spring, as this is the case in males, but it further increases and is conserved till the winter. In winter this difference between the sexes is equalized. The increase in adrenals of the females during the seriod of propagation is explained by the special part played by cortico-hormones in the maintenance of a normal reproductive activity of the females. A specific placental hormone that stimulates the activity of adrenals also exists. It is true that these same laws also

Card 3/5

20-6-38/48

Seasonal Variations in the Relative Weight of Suprare. I Glant in Marmala under Natural Conditions

Later And March Anniel March Anniel and Anniel A

hold for the wood-stape, but a small took asaker morease in advenals is evident also in going males. The proportion and the phenomena commester with it apparently make greater "demands" on the adverals than the conditions of life during the winter. In the north the adject of encode of the young males in smaller. Thus the amount of hor enes is the airenal cortex plays an important part in the adaption a process of the animals to the sensonal changes of the conditions of life. This finds a different quantitative expression under various climatic conditions and ranifests itself at different dates. In females the guiding factor is their participation in the propagation, in males the conditions of existence as dependent on temperature. The older unimals reset for alregaly than the young ones. The above-mentioned object too lesion, were confirmed in the laborator, with jother species of recents. According to the authors they should therefore to extended in a general form to most species of secondly. There are I table and 1 Slavic reference.

Card 4/5

Sectional Variations in the Relative Main't of Suprement Glands in Mammals tander Estaral Conditions

ASSOCIATION: Institute for Biology of the Ural-Branch AN USSR

(Institut biologii Ural'shogo filiala Akademii nauk SSSR)

PRESENTED: by 1.T. Shoal ganger, Academician, April 10, 1957

SUPHICISD: April 15, 1957

.VaILIBLE: Library of Congress

Card 5/5

SHVARTS, S.S.; PAVLININ, V.N.; STUZYUMOVA, L.M.

Theoretical principles underlying prognoses of redent populations in the trans-Ural forest-steppe. Izv.AN SSSR. Otd.khim.mauk no.10:3-59 0 '58. (NIRA 11:12)

(Ural Mountain region--Rodentia)

PAVLININ, V.N.; SHVARTS, S.S.

Distribution ranges of some rodents in the Urals. Izv.AN SSSR.
Otd.khim.nauk no.10:89-92 0 '58. (MIRA 11:12)

(Ural Mountain region—Rodentia)

SHVARTS, S.S.

Hethod of physiologico-morphological indices in terrestrial vertebrate ecology [with summary in English]. Zool. zhur. 37 no.2:161-173 F '58. (MIRA 11:3)

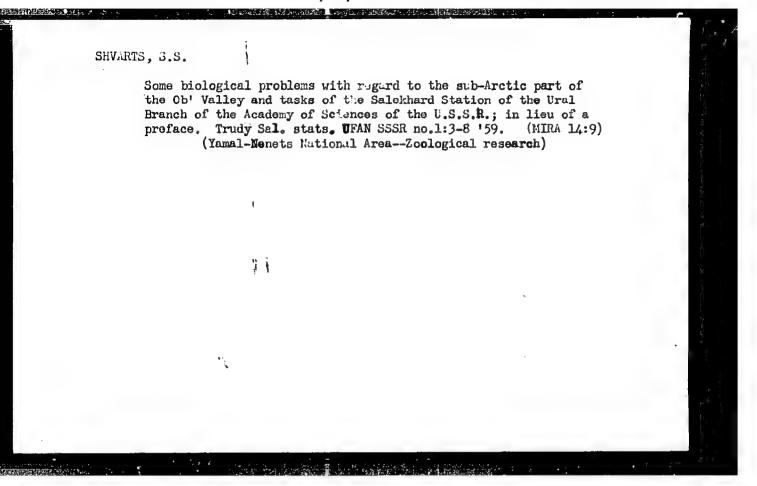
l. Laboratoriya zoologii Instituta biologii Ural'skogo filiala AN SSSR, Sverdlovsk. (Zoology--Ecology)

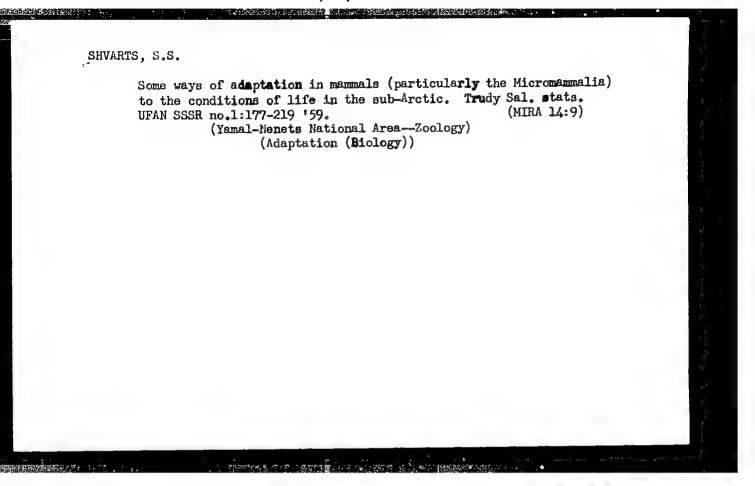
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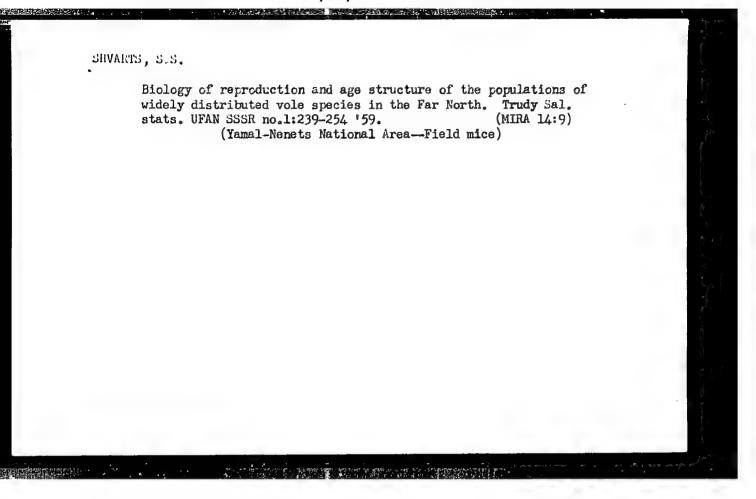
SHVARTS, S.S.; PAVLININ, V.N., kand.biol.nauk, otv.red.; POTAPOVA, T.S., red.; SEREDKINA, N.F., tekhn.red.

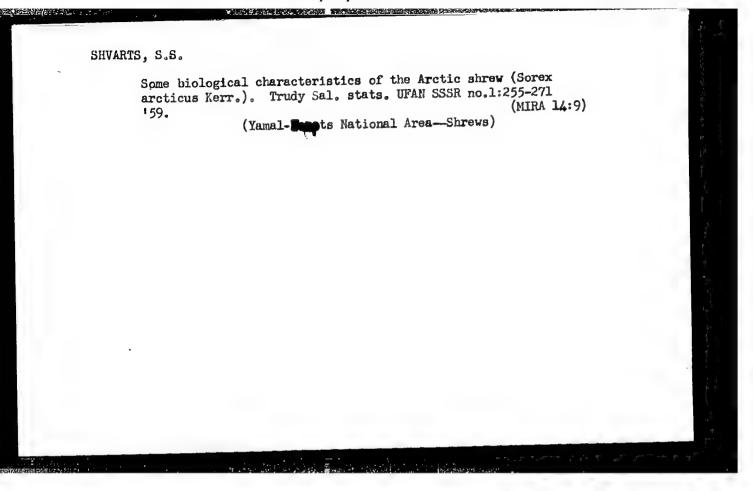
[Some problems with regard to species in terrestrial vertebrates]
Nekotore voprosy problemy vida i nazemnykh pozvonochnykh
zhivotnykh. Sverdlovsk, 1959. 130p. (Akademiia nauk SSSR.
Ural'skii filial, Sverdlovsk. Institut biologii. Trudy, no.11).

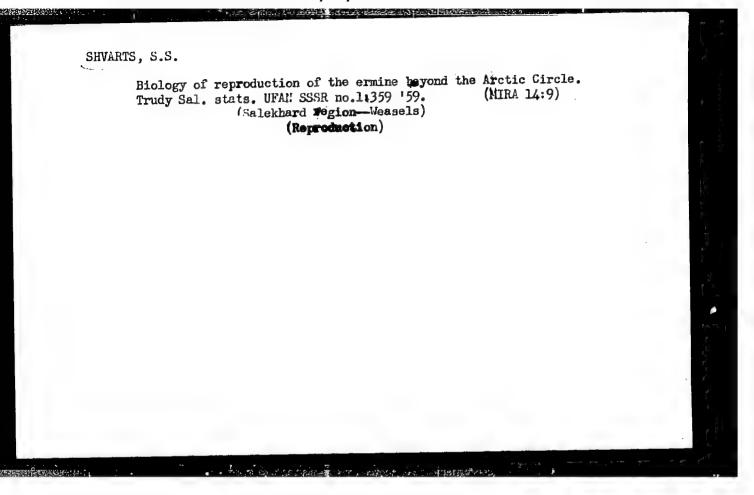
(MIRA 13:4)

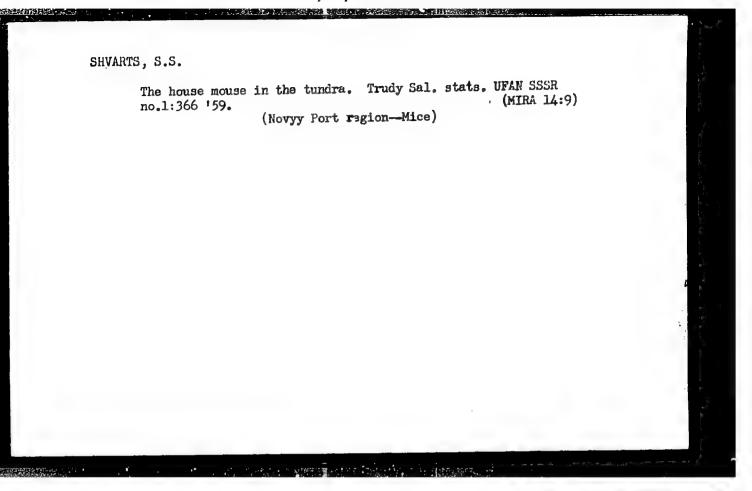


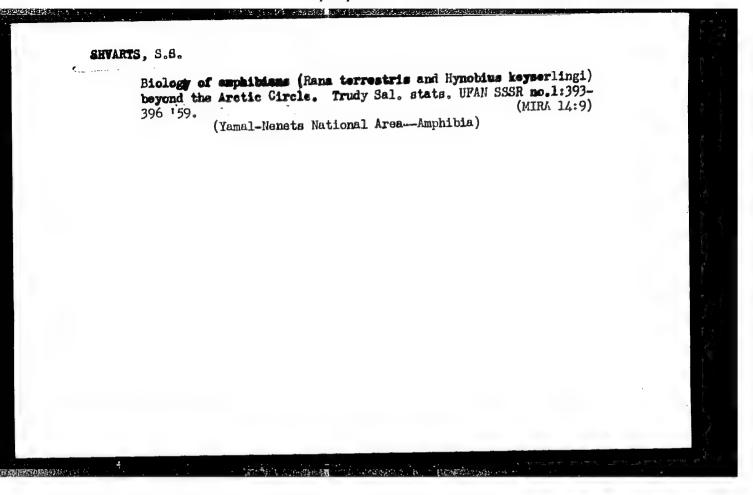


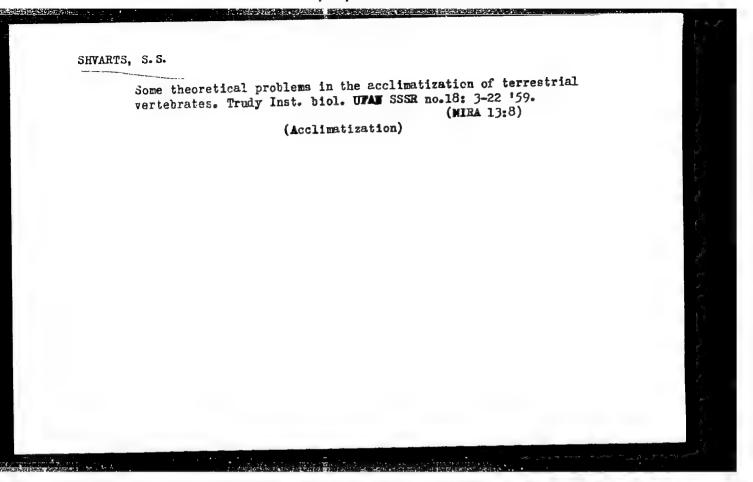












SMIRNOV, V.S., SHVARTS, S.S.

Comparative ecologico-physiological characteristics of the muskrat in the forest steppe and arctic regions. Trudy Inst. biol. UPAN SSSR no.18:91-138 '59. (MIRA 13:8)

(Siberia, Western--Muskrats)

SHVARTS, S.S.; PAVLININ, V.N.

Problems in the protection of terrestrial vertebrates of the Urals. Zool.zhur. 38 no.7:1119-1120 J1 '59.

(WIRA 12:10)

(Ural Mountain region—Wild life, Conservation of)

ALVERSON AND COMPANY THE PLANS OF THE PARTY OF THE PARTY

SHVARTS, Stanislav Semenovich; PAVLININ, V.N., otv.red.; ARDASENOVA, L.P., red.izd-va; SEREDKINA, N.F., tekhn.red.

[Principles and methods of modern animal ecology; expanded report at the philosophical seminary on biological problems, May 25, 1960] Printsipy i metody sovremennoi ekologii zhivotnykh; rasshirennyi doklad na rilosofskom seminare po voprosam biologii 25 maia 1960 g. Sverdlovsk, 1960. 49 p. (Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy, no. 21) (MIRA 14:7) (Zoology—Ecology)

of the Armer Market Land to the Company of the Comp

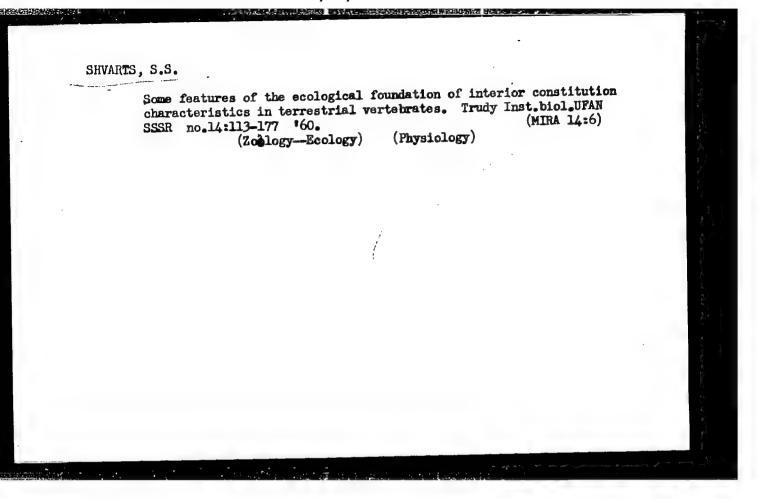
PAVLININ, V.N., kand.biologicheskikh nauk; SHVARTS, S.S., prof., doktor biologicheskikh nauk

Conservation of terrestrial vertebrates in the Urals. Okhr. prir.
na Urale no.1:87-92 '60.
(Ural Mountain region-Wildlife, Conservation of)

SHVARTS, S.S.; PAVLININ, V.N.

Establishment of zocgeographical regions based on rodent distribution in the Urals. Trudy Instabiol.UFAN SSSR no.14:83-96 '60. (MIRA 14:6)

(Ural Mountain region—Rodentia)



SHVARTS, S.S.; KOPEIN, K.I.; POKROVSKIY, A.V.

Comparative study of some biological characteristics of the voles Microtus gregalis gregalis Pall., Microtus gregalis major Ogn., and their hybrids. Zool.zhur. 39 no.6:912-926 Je 60. (MIRA 13:7)

1. Inboratory of Zoology, Institute of Biology, Ural Branch of the U.S.S.R. Academy of Sciences, Sverdlovsk.

(Field mice)

TOPORKOVA, L.Ya.; SHVARTS, S.S.

Amphibians above the Arctic Circle. Priroda 49 no.10:85-86 C 160. (MIRA 13:10)

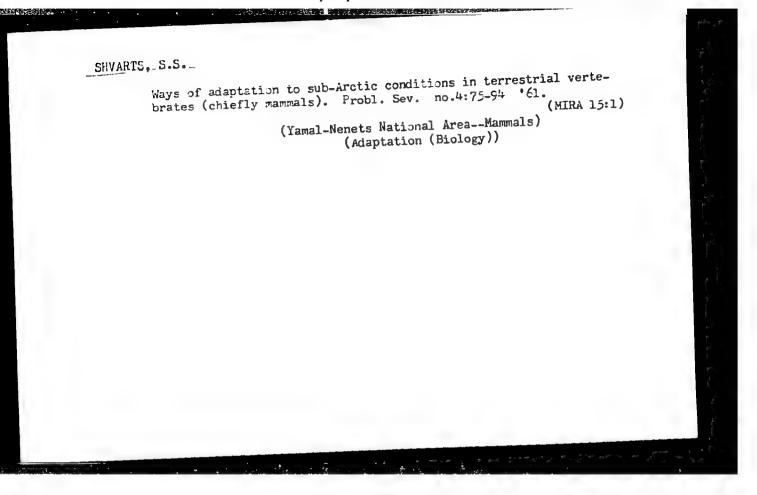
1. Ural skiy gosudarstvennyy universitet, Sverdlovsk (for Toporkova).
2. Institut biologii Ural skogo filiala AN SSSR. Sverdlovsk (for Shvarts).

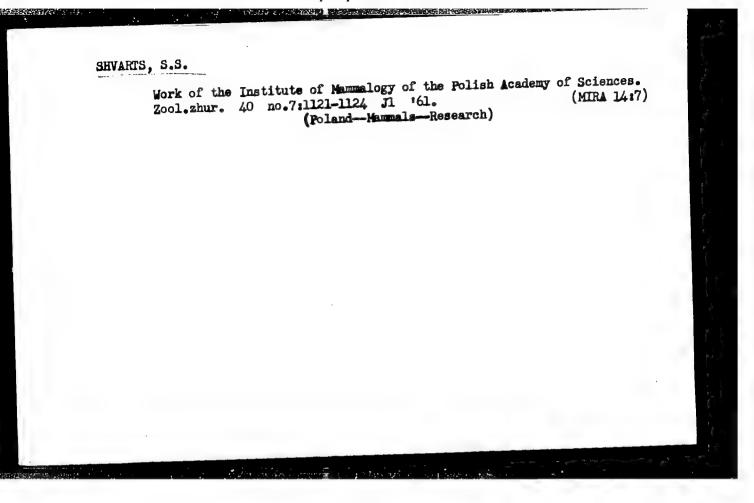
(Russia, Northern-Amphibia)

PAVLININ, V.N.; SHVARTS, S.S.; SMIRNOV, V.S., starshiy nauchnyy sotrudnik, kand.biolog.nauk, otv.red.; SEREDKINA, N.F., tekhn.red.

[Long-range planning of acclimatization measures as exemplified in the Urals] Perspektivnoe planirovanie akklimatizatsionnykh meropriiatii. Sverdlovsk, 1961; na primere Urala. 41 p. (Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy, no.24).

(Ural Mountain region-Animal introduction)





SHVARTS, S.S.

Birds of India. Priroda 50 no.1:56-60 Ja '61. (MIRA 14:1)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovak. (India—Birds)

SHVARTS, Stanislav Semenovich, doktor biolog. nauk; STAROSTENKOVA,
M.M., red.; NAZAROVA, A.S., tekhn. red.

[A step toward the control of nature; study of populations in higher animals] Stupen' k upravleniu prirodoi; ob izuchenii pepuliatsii u vysshikh zhivotnykh. Moskva, Izd-vo "Znanie,"
1962. 40 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriia.
Biologiia i meditsina, no.7) (MIRA 15:6)

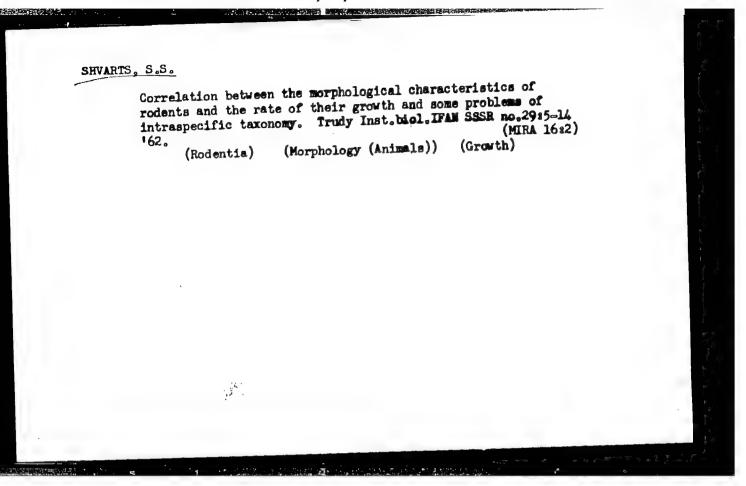
(Animal populations)

POKROVSKIY, A.V.; SMIRNOV, V.S.; SHVARTS, S.S.

Colorimetric study of the variability of color in rodents under experimental conditions as related to the problem of hybrid populations. Trudy Inst.biol.UFAN SSSR no.29:15-28 %2.

(MIRA 16:2)

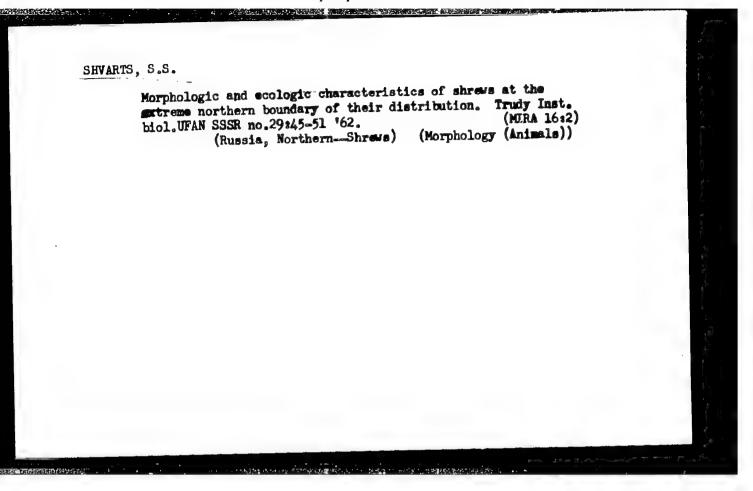
(Field mice) (Zoology-Variation) (Golor of animals)



Some characteristics of the geographical variability of rodents in a solid area as exemplified by field mice of the genus Clethrionomys. Trudy Inst. biol. UFAN SSSR no.29:29-44 '62. (MIRA 16:2)

(Field mice)

(Zoology-Ecology)



SHVARTS, Stanislav S.	
A general analusis of the morphological pecularities of the populations of terrestrial vertebrata.	
Report to be submitted for the 16th International Zoology Con	gress
Washington, D.C., 20-27 Aug 63	
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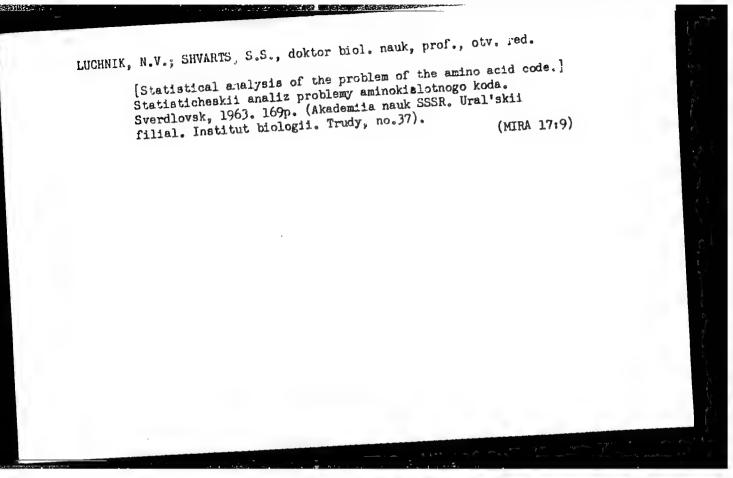
SHVARTS, Stanislav Semenovich; PAVLININ, V.N., otv. red.;
ARDASENOVA, L.P., red. izd-va; PAL'MIN, M.Z., tekhn. red.

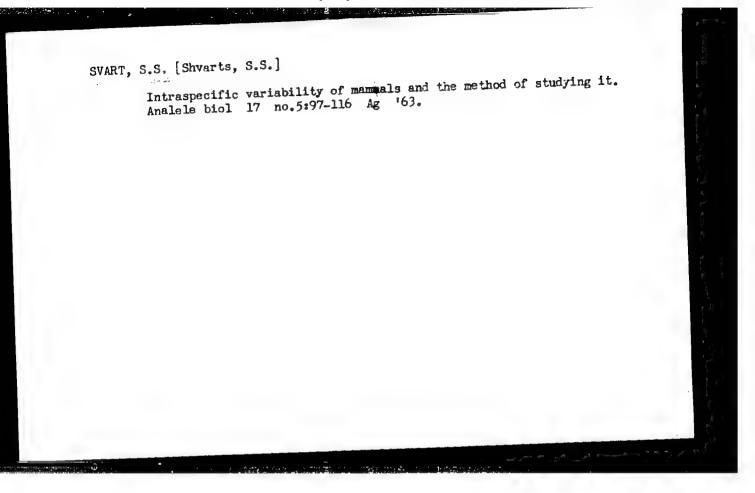
[Ways of the adaptation of terrestrial vertebrates to the conditions governing their existence in subarctic regions. Vol. 1: Mammals.] Puti prisposobleniia nazemnykh pozvonochnykh zhivotnykh k unloviiam sushchestvovaniia v Subarktike. Vol. 1. Mlekopitaiushchie. Sverdlovsk, 1963. 130 p. (Akademiia nauk SSSR. Ural'skii filial. Institut biologii. Trudy, no. 33)

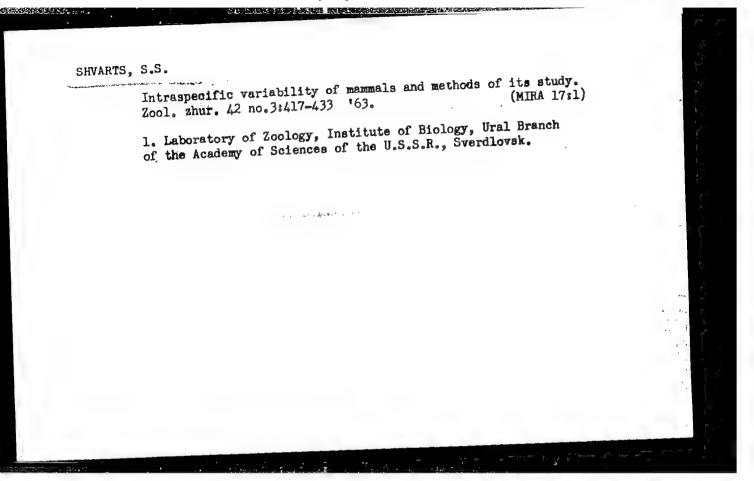
PAVLININ, V.N.; SHVARTS, S.S., doktor biol. nauk, prof., otv. red.; ARDASENOVA, L.P., red. izd-va; PAL'MIN, M.Z., tekhn. red.

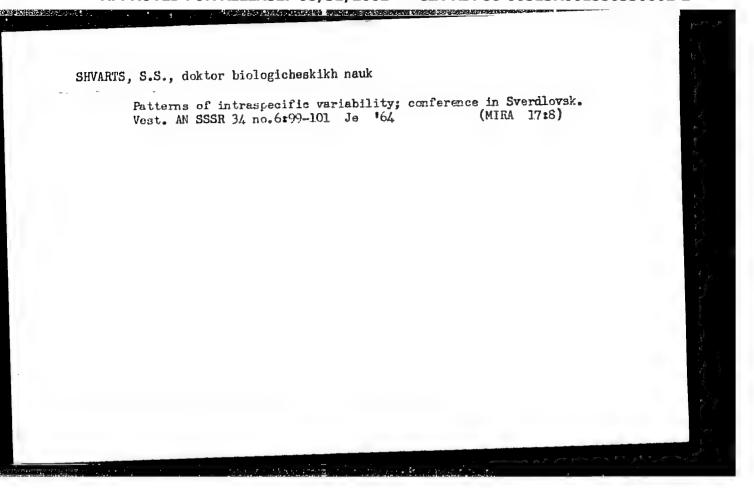
[Tobol'sk sable; its range, morphological outline, and the problem of interspecific hybridization.] Tobol'skii sobol'; areal, ocherk morfologii, problem mezhvidovoi gibridizatsii. Sverdlovsk. 1963. 11lp. (Akademiia nauk SSSR. Ural'skii filial, Sverdlovsk, Institut biologii. Trudy, no.34)

(MIRA 16:11)









BHVARTS, S.S., otv. red.

[Iroblems of the intraspecific variability of terrestrial vertecrates and microsvolution] Voprosy vantrividovoi izmenchivosti nazemnyk) pozvonochnykh zhivotnykh i mikrosvoliutsiia. Sverdlovsk, In-t biologii Ural'skogo filiala AN SSSR, 1964. 159 p. (MIRA 17:6)

1. Laboratorive mologii institute biologii Wral'skogo filiala AN SSS.

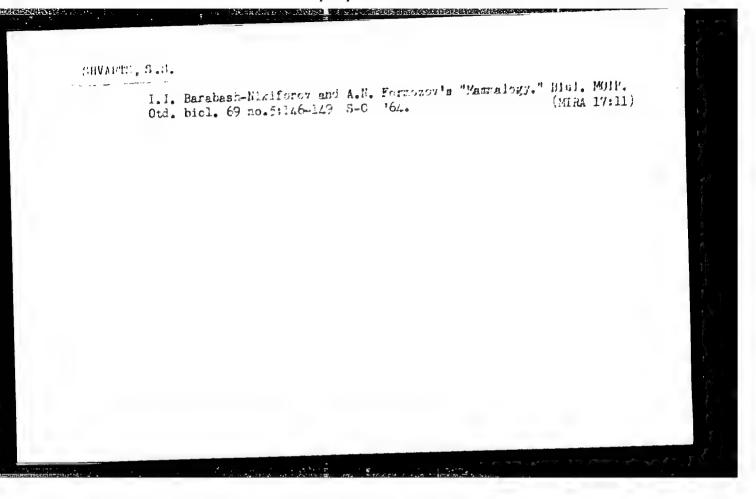
Sixteenth International Zoological Congress. Priroda 53
no.2:119-121 '64.

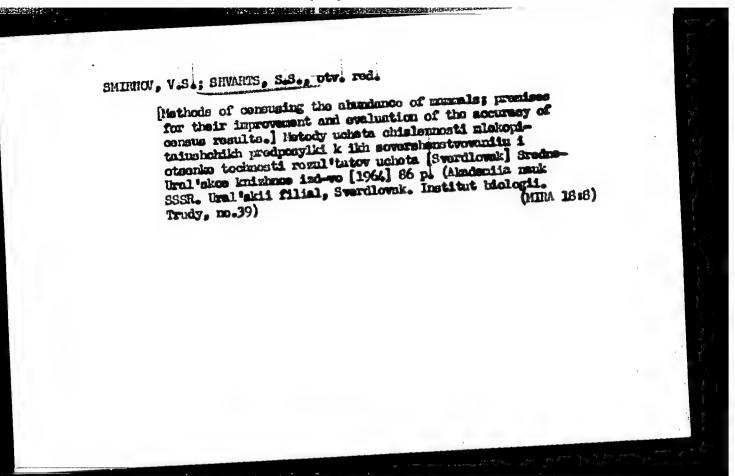
1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

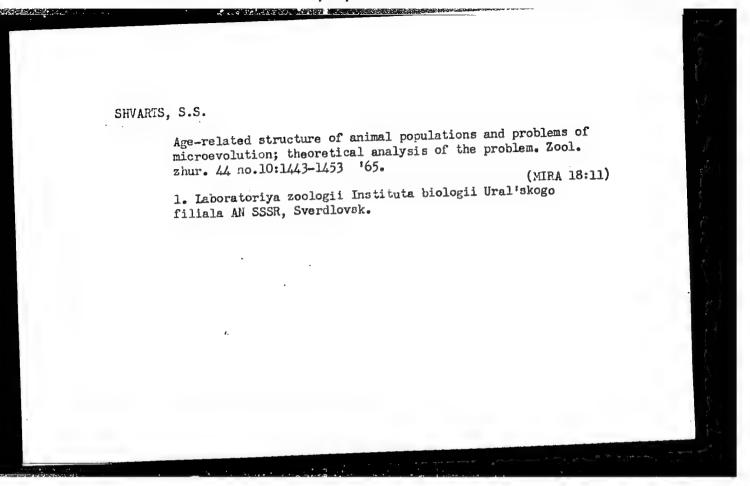
SHVARTS, S.S.; BOL'SHAKOV, V.N.; PYASTOLOVA, O.A.

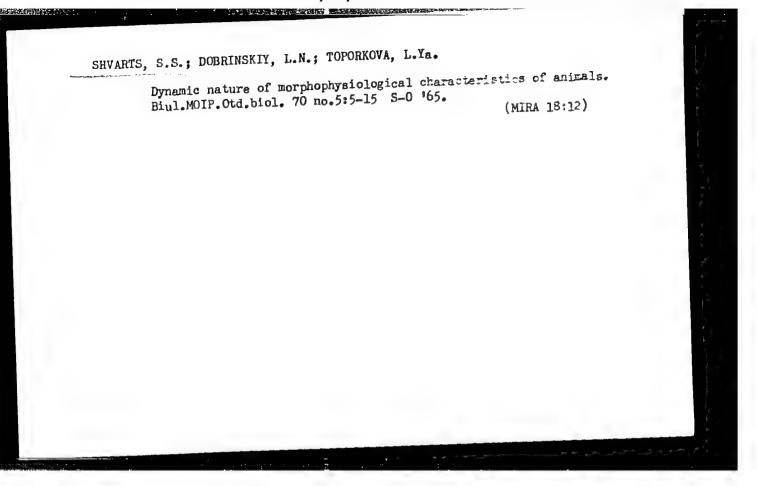
New data on various methods of the adaptation of animals to the change of environment. Zool. zhur. 43 no.4:483-487 '64. (MIRA 17:8)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.









BOL'SHAKOV, V.N.; SHVARTS, S.S.

New subspecies of the red-backed vole (Clethrionomys rutilus tundrensis subsp. nov.). Trudy Inst. biol. UFAN SSSR no.38:63-64. 165.

(MIRA 18:12)

SHVARTS, S.S., prof.; DOBRINSKIY, L.N., kand.biolog.nauk

Animal world of Khadytayakha. Priroda 55 no.1:71-75 Ja '66.
(MIRA 19:1)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

SHIMRTS, T. B.

Number, Central Scientific Experiments Institute of Communications

On-Development of a New Arrangement for Transmission by Radio Wire and Telegraph

Soviet Source: N:-Sotsialisticheskaya Svyaz', Abstracted in USAF "Treasure Island" Report No. 19830, on file in Library of Congress, Air Information Division.

Complications during the exclusion of the heart from blood circulation under conditions of surface hypothermia during the correction lation under conditions of surface hypothermia during the correction of congenital defects of the heart. Uch. trudy GMI no.19:137-141 65.

l. Iz kliniki gospital'noy khirurgii Gor'kovskogo gosudarstvennogo meditsinskogo instituta imeni S.M.Kirova.

Servivev, 1.8.0 SHVARTS, 1.5.

Use of arthmed deduced hypotension in directed treatment of exactation of the acrts. Son. trudy Sti no. 190170-0.72 165.

(MIRA 18:8)

i. Ta kliniki gespitalincy kliturgii Confactance gesudarstvennogo meditainskogo instituta imeni S.M. Eirova.

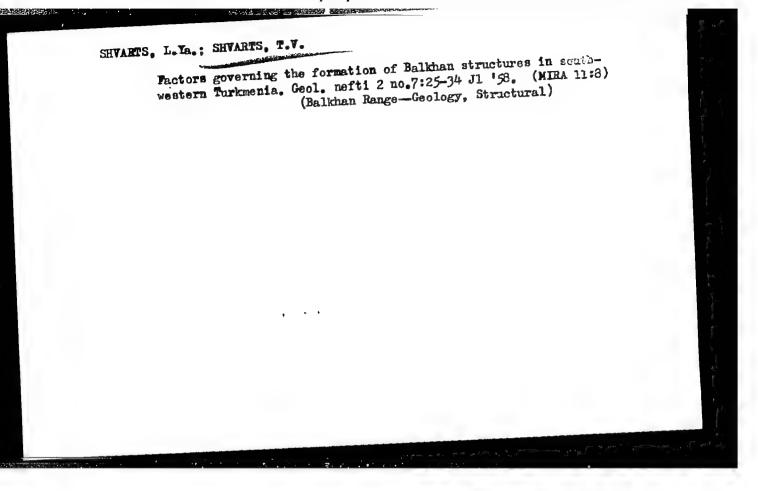
KOROLEV, B.A.; OKHOTIN, I.K.; SHVARTS, T.F.; DERYABINA, Ye.I.; YEZHOVA, T.N.; GUTENKO, V.I.

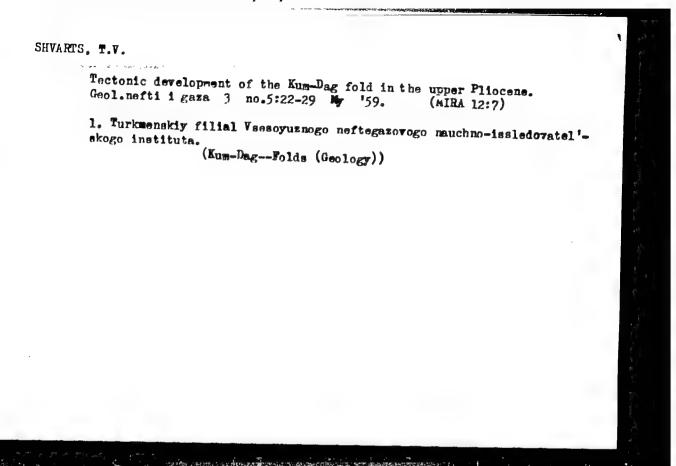
Clinical course of the defects of the interventricular septum and their surgical treatment under conditions of extracorporeal blood circulation. Uch. trudy GMI no.19:99-107 165. (MIRA 18:8)

1. Iz kliniki gospital noy khirurgii Gor kovskogo gosudarstvennogo meditsinskogo instituta imeni S.M.Kirova.

Results of 205 operations performed on a "dry" heart under conditions of surface hypothermia. Uch. trudy GMI no.19:125-136 (MIRA 18:3)

1. Tz kliniki gospital'noy khirurgii Gor'kovskogo gosudarstvannogo moditsinskogo instituta imeni S.M.Kirova.





SHVARTS, T.V.

History of the tectonic development of the Nebit-Dag fold. Geol. nefti i gaza 5 no. 3:56-60 Mr '61. (MIRA 14:4)

l. Turkmenskiy filial Vsesoyuznogo neftegazovogo nauchnoissledovatel'skogo instituta. (Nebit-dag region-Folds (Geology))

BESEROVNYX, Nikolay Sergeyevich; GEMP, Sergey Dmitrlyevich; SHVARTS, Tamara Vasil'yevna; IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

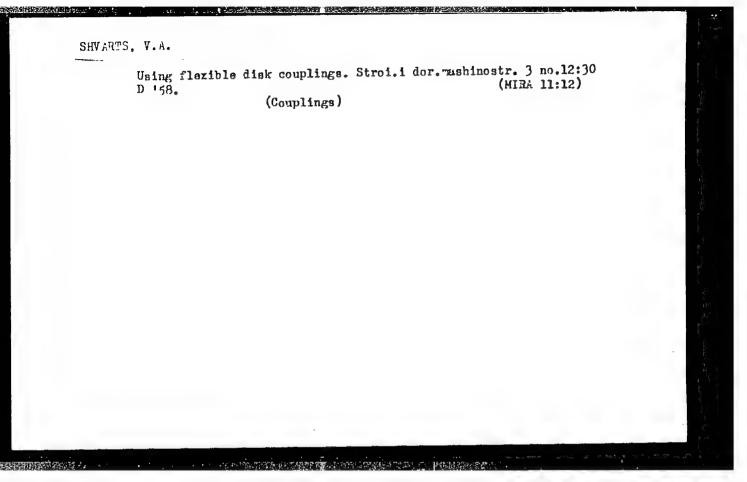
[Deep faults in western Turkmenia and their role in the formation of oil pools] Glubinnye razlomy Zapadnoi Turkmenii i ikh rol' v formirovanii neftianykh zalezhei. Leningrad, Gostoptekhizdat, 1963. 104 p. (Leningrad. Vsesoiuznyi neftianoi nauchnoissledovatel'skii geologorazvedochryi institut. Trudy, no.210). (MIRA 16:12)

SHVARTS, V.; SEMENNIKOVA, N.V., red.; NIKOLAI, S.B., tekhn.red.

[The artistic monuments of Leningrad] Leningrad; khudozhestvennye pamiatniki, ocherk. Izd.2. Leningrad, Gos.izd-vo "Iekusstvo."

1961. 396 p. (MIRA 14:6)

(Leningrad—Description)



25(2)

SOV/117-59-4-17/36

AUTHOR:

Shvarts, V.A., Engineer

TITLE:

The Use of Couplings with Intermediate Disks.

PERIODICAL:

Mashinostroitel², 1959, Nr 4, p 32 (USSR)

ABSTRACT:

The described heavy-duty couplings with intermediate disks made of worn conveyer belts or rubber-impregnated drive belts are used at the Zavoč im. Yanvarskogo vosstaniya (Plant imeni Yanvarskoye vosstaniye) at the suggestion of the author. The three designs in use, with a two-wing disk, a triangular one and a starshaped one (Figures 1,2,3) have replaced all the nine "GOST 2229-55" MUVP standard couplings. They are used in earth mixers in the foundry, on an overhead traveling crane (between the motor and the reduction gear) and in other equipment. In mixers they work 6 to 12 months without replacement, and in the crane drive, no replacement has been needed since the coupling was

Card 1/2

SOV/117-59-4-17/36

The Use of Couplings with Intermediate Disks.

installed more than a year ago. The formerly-used "MUVP" couplings ("GOST 2229-55") caused frequent breakdowns and monthly replacements of the rubber bushes in mixers, and in the crane drive the coupling had to be replaced every two months. There are 2 photographs and 1 diagram.

Card 2/2

SHUBENKO-SHUBIN, Leonid Aleksandrovich; LISETSKIY, Nikolay Longinovich; SHVARTS, Viktor Aleksandrovich; KORZH, Petr Ivanovich; PROSKURA, G.F., akademik, retsenzent [deceased]; YERSHOV, V.N., dotsent, kand.tekhn.nauk, retsenzent; SCRCKA, M.S., red.

[Atlas of drawings and diagrams of gas turbine units] Atlas konstruktsii i skhem gazoturbinnykh ustanovok. Pod obshchei red. L.A.Shibenko-Shibins. Moskva. Gos.nauchno-tekhn.isd-vo mashino-stroit.lit-ry, 1960. 183 p. (MIRA 14:1)

1. Chlen-korrespondent AN USSR (for Shubenko-Shubin). 2. AN USSR (for Proskure).

(Ges turbines--Design)

s/096/62/000/008/001/004 E194/E455

26.2124

Shvarts, V.A., Engineer

AUTHOR: TITLE:

Selection of optimum parameters and assessment of the effectiveness of heat-exchange surface in the

regenerators of gas turbines

PERIODICAL: Teploenergetika, no.8, 1962, 55-59

The degree of regeneration 2, and the resistance of the regenerator, affect the regenerator size and the characteristics of the entire gas-turbine set. The contradictory data existing is reflected in the wide range of actual values The main reason is that the chosen by different manufacturers. theoretical determination of optimum values of p assumes that the cycle parameters and the air and gas speeds in the regenerator are of optimum values, which is seldom the case. This article describes the procedure used in designing gas-turbine heat exchangers in the Khar'kov Turbine Works. It gives optimum values of ρ and Δp and can also be used to assess the effects of deviations of these magnitudes from the optimum values. following expressions are then derived Card 1/3

Selection of optimum ...

S/096/62/000/008/001/004 E194/E455

$$\frac{1-\rho}{\rho} = \frac{3600c_p s_1 s_2}{\pi dl} \left(\frac{L}{F_{\phi,0}^{1-m_1}} + \frac{M}{F_{\phi,0}^{1-n_1}} \right), \qquad (14)$$

$$\Delta \rho = l \left(\frac{M}{F_{\phi,0}^{2-m_1}} + \frac{R}{F_{\phi,0}^{2-n_1}} \right). \qquad (15)$$

where s_1 , s_2 - the tube pitches in mutually perpendicular directions, d - tube outside diameter, \hat{v} - tube length, $F_{\mathcal{O}}$ - frontal area of tube bundle, $F_{\mathcal{O}} = F_{\mathcal{O}}/G$ m²/kg/sec. m₁ and n₁ are derived from the following equation

$$Nu_{\Gamma} = A_{\Gamma}Re_{\Gamma}^{m_{1}}; Nu_{B} = A_{B}Re_{B}^{m_{1}}$$
 (7)

the first of these relates to gas and the second to air. A graphical method of solving these equations is described and illustrated and a curve of the function $V_0 = f(\ \)$, $\triangle p)$ is plotted. A further graphical solution is then used to select optimum values of β and $\triangle p$ which gives a highest set efficiency for a Card 2/3

Selection of optimum ...

S/096/62/000/008/001/004 E194/E455

particular value of V_0 , $(V_0 = V/G = F_0 \cdot 0 \cdot m^3/kg/sec)$. By way of illustration, graphs of efficiency as a function of O and $\triangle p$ are plotted for a gas turbine type $\Gamma T \gamma = 50/800$ (GTU-50/800) and it is shown that the curves of Voidem are fairly smooth near the maximum. Accordingly for a given value of Vo various design adjustments are possible to make the equipment cheap and easy to make. The selection of gas and air speed is particularly discussed. The use of the procedure to determine the effectiveness of various heat-transfer surfaces is explained; surfaces are compared both on the basis of constant efficiency and of constant β and Δp . The expressions that are given relate to tubular counter-flow heat-exchangers, but others can be derived for cross-flow exchangers, plate type heat-exchangers and air coolers. There are 5 figures.

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ASSOCIATION: Khar'kovskiy turbinnyy zavod (Khar'kov Turbine Works)

Card 3/3

SHUBENKO-SHUBIN, L.A.; SHVARTS, V.A., inzh.

"Regeneration systems and regenerators of gas turbine plants" by IU.M.Dedusenko. Reviewed by L.A.Shubenko-Shubin, V.A.Shvarts. Energomashinostroenie 8 no.1:37 Ja 162. (MIRA 15:3)

1. Chlen-korrespondent AN USSR (for Shubenko-Shubin). (Gas turbines) (Dedusenko, IU.M.)

Problems in the creation of regenerators for stationary high capacity gas turbine systems. Teploenergetika 9 no.1:25-28
Ja 16. (MIRA 14:12)

1. Khar'kovskiy turbinnyy zavod.
(Gas turbines--Design)
(Heat--Transmission)

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SHVARTS, V.A., inzh.

Choice of optimum parameters and evaluation of the efficiency of the heat exchange surface of the regenerators of gas turbine systems.

Teploenergetika 9 no.8:55-59 kg *62. (MIRA 15:7)

1. Khar'kovskiy turbinnyy savod.
(Gas turbines) (Heat regenerators)